

Abstract of the Disclosure

After a reset on a bus, the topologies of nodes on the bus before and after the reset are accessed to identify nodes that are new to the bus. A host identifies itself in both the new topology data and the old topology data. Referring to the connectedness between
5 ports of a node and other ports in the new topology, similarly connected nodes in the old topology are identified as matching. Identifying data present in the old data can be assigned to the corresponding node in the new data. Any nodes in the new tree lacking a matching node will require requests over the bus to obtain its identification data.